

# Notice of Allowability

Application No.

10/025,811

Examiner

VAN H. NGUYEN

Applicant(s)

TRAN ET AL.

Art Unit

2194

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to The amendment filed 04/12/06.
2. ☒ The allowed claim(s) is/are 1,3,4,8-11,13,15-18, and 21-23 (now renumbered as 1-15).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

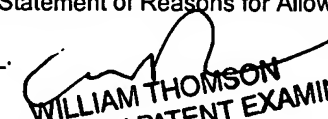
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
WILLIAM THOMSON  
SUPERVISORY PATENT EXAMINER

### ***DETAILED ACTION***

1. This Office Action is in response to the amendment filed on April 12<sup>th</sup>, 2006.
2. Claims 1, 3, 4, 8-11, 13, 15-18, and 21-23 are currently presented in this application. Independent claims 1, 11, and 18 have been amended. Dependent claims 2, 5-7, 12, 14, 19, and 20 have been cancelled.
3. The drawings submitted on August 09, 2005 are acceptable.

### **REASONS FOR ALLOWANCE**

1. The following is an examiner's statement of reasons for allowance:
2. The prior art does not expressly teach or render obvious the invention as recited in amended independent claims 1, 11, and 18.
3. The features as recited in independent claims 1 and 18 "*a coordinating unit, associated with the resource manager, for inserting said task starters in a command instruction associated with the task, each command instruction corresponding to a task and at least a portion of the command instruction being stored in the resource manager; wherein the task starters return the portion of the command instruction of the task with the process identifier, said command*"

*instructions comprise a host identifier for identifying a host containing the resource to execute the task, and, wherein the portion of the command instruction of the task includes the host identifier; said coordinating unit of the resource manager starts the job launcher unit which executes the command instructions and starts the task starters on hosts identified by the host identifier; and wherein once a task has been completed on the associated resource, the task starter collects the exit status of the task from the associated resource and sends the exit status of the task to the resource manager together with the process identifier and host identifier", when taken in the context of the claims as a whole, was not uncovered in the prior art teachings.*

4. The features as recited in independent claim 11 "*generating, prior to dispatching the task, a command instruction corresponding to each task, said command instruction including the task starter, and storing at least a portion of the command instruction in the resource manager; sending the portion of the command instruction with the process identifier from each task starter to the external event unit; correlating the command instructions stored in the resource manager with the process identifier and the portion of the command instruction; wherein the command instructions include instructions for the task starters to send the process identifiers of the tasks to a location associated with the resource manager; wherein each task starter sends the exit status of the task with the process identifier or the portion of the command instruction, or both, to the location identified by the command instructions upon completion of the execution*

*of the task*”, when taken in the context of the claims as a whole, was not uncovered in the prior art teachings.

5. Nor were references uncovered that would have provided a basis of evidence for asserting a motivation that one of ordinary skill level in the art at the time the invention was made, knowing of a system for executing parallel jobs in this specific environment, would have integrated or modified to teach the system for executing parallel jobs, each parallel job comprising multiple tasks executable in parallel by separate resources including the features as recited in the context of independent claims 1, 11, and 18.
6. Dependent claims are allowed as they depend upon allowable independent claims.
7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

#### **CONTACT INFORMATION**

1. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VAN H. NGUYEN whose telephone number is (571) 272-3765. The examiner can normally be reached on Monday-Thursday from 8:30AM - 6:00PM. The examiner can also be reached on alternative Friday.

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2. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, WILLIAM THOMSON can be reached at (571) 272-3718.
3. The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.
4. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.  
For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**Any response to this action should be mailed to:**

Commissioner for patents  
P O Box 1450  
Alexandria, VA 22313-1450

Van H. Nguyen  
Patent Examiner- Art Unit 2194

  
WILLIAM THOMSON  
SUPERVISORY PATENT EXAMINER